

Class: 12<sup>th</sup>

Computer Science

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All Punjab Boards

Most Important Guess Paper

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"یہ گیس پیپر اتنا اہم ہے کہ آپ کی محنت اور یہ سوالات آپ کو کامیابی کی بلندیوں تک پہنچائیں گے، انشاء اللہ! ان کو اچھی طرح تیار کر لیں۔"

## Most Important Questions

### Chapter No # 1

Describe data manipulations, data independence, data integrity and data dictionary. Database and data processing. State the use of query language. What is data dictionary and program? Backup file and recovery with its purpose. Master file, program file and transition file. Differentiate between data and information, Define redundancy and file. Name two features of DBMS. Why do people use database?

### Chapter No # 2

What are properties of relation? Define foreign key, composite key and primary key. Define key. List different types of keys. Define data administrator, Define table /relation How a relation is formed in database? What is an entity in an ERD. Difference between entity class and entity instance, Who is user or end user? What is the purpose of using views?

### Chapter No # 4

Transitive dependency. Data integrity and explain its two types. Database anomalies a, homonym and synonym, What is 3<sup>rd</sup> normal form? Partial, functional and transitive dependency, how 2<sup>nd</sup> normal form is achieved? How referential integrity can be achieved? How is entity integrity maintained? How is data integrity maintained? What is determinant?

### Chapter No # 5

RDBMS, Different buttons available on access database window, Differentiate between form and report, Describe scroll bar, Database wizard/sample database, How query is written? Define IDE and List some advantages of IDE, Uses of MS Access, Enlist the parts of application window in MS Access.

### Chapter No # 8

Define programming language, program and programmer, Low level and high level 4 commonly used high level language, Linkage and header file, What is delimiters, purpose of Preprocessor directive, Differentiate between logical errors and syntax errors, Differentiate between source code and object code, Bug and debug, 4 advantages of C language Compiler and interpreter, Structured program language, What is syntax error





## **Chapter No # 10**

### **(Practice for Error and Output relevant Questions)**

What is Escape sequence? Give example. Define scanf () function. Syntax of printf () statement Getche () function, Uses of format specifier in C language, Use of scanf function Clrscr function, Predict the output.... Trace the error in following code, List some important function for input, List different types of format specifier.

## **Chapter No # 11**

### **(Practice for Error relevant Questions)**

Control structure & selection structure, What happens if break is missed in case of Block? What default label is used in switch statement? Find output.... Explain if statement..... Find error, Write syntax of if-else statement Why break statement is used in a switch () structure

## **Chapter No # 12**

### **(Practice for Error and Output relevant Questions)**

What is for loop and While loop, Draw a flow chart of wild loop, What is difference between while and do-while loop, Why sentinel value is used in loop? What is continuous statement, infinite loop and post-test loop. What is counter controlled loop? Write syntax of for loop and do while loop, What is iteration?

## **Chapter No # 13**

Proto type, Define function. List some benefits of using functions, Local variables and its scope, Compare local variables and global variables, Function call statement, Actual parameters, Function return value, Define function and function body, Build in functions Life time of local variables

## **Most Important Long Questions**



## **Chapter No # 3**

- What is data modeling also discussing its components.
- Explain different components of logical model in detail.
- What is an ERD? Explain it with an example.
- Explain the basic data distribution strategies.
- What is database design process? Explain with the help of diagram and example.

## **Chapter No # 6**

- What is table? Also discuss its characteristics.
- Discuss different data types available in MS access.
- Discuss field properties in MS Access.
- Define Query and explain its uses and advantages.

## **Chapter No # 7**

- What is form and write the procedure to create form using design view in MS access.
- Discuss different types of forms in MS access.

## **Chapter No # 9**



- What is variable? Explain its types and write eight rules for naming variables.
- Define data type and explain its types
- What is expression? Discuss rational, logical and arithmetic operators.
- Difference between variable declaration and variable initialization. Explain with example What is the difference between increment and decrement operators? Explain its types.

## Most Important Programs Chapter No. 11, 12

- Write a program that inputs a character and checks whether it is vowel or consonant using switch statement?
- Write a program that inputs three numbers and displays largest/ smallest number.
- Write a program that inputs marks of the student and displays his high grade .....
- Write a program that inputs a year and find whether it is leap or not using if else structure.
- Write a program that a number from user and find its positive negative or zero. Write a program that inputs a number and tells whether it is even or odd using if else structure.
- Write a program input day of week and print name of the day if the user enters 1, it prints Monday.
- Write a program that inputs a number from user and tells whether it is divisible on 3 or not.
- Write a program that input a number and display its table.
- Write a program which prints natural numbers from 1-100.
- Write a program that display first five numbers and their sum.
- Write a program which prints natural numbers from 1 to 5 and also display its square in two lines Write a program that takes two numbers to perform arithmetic operations ....
- Write a program that inputs a temperature and displays a message .....
- **"Bold questions are very important, so make sure to focus on them!"**

نوٹ: "MCQs کے لیے، آپ [Pakcity.org](http://Pakcity.org) کی ویب سائٹ سے گیس پیپر کی مکمل فری PDF فائل ڈاؤن لوڈ کر سکتے ہیں، جس میں پچھلے تمام سالوں کے تمام بورڈ کے پیپر چیپٹر وائز حل کیے گئے ہیں۔"

"پاک سٹی کی ویب سائٹ [www.pakcity.org](http://www.pakcity.org) پر آپ کو تمام کلاسز کے نوٹس، ایم سی کیوز، انتہائی اہم ترین گیس پیپرز، پاسٹ پیپرز اور ٹیسٹ سیریز دستیاب ہیں۔ ہمارے یوٹیوب چینل پر تعلیمی ویڈیوز اور ہیلپ بھی موجود ہیں۔ آپ ہمارے واٹس ایپ گروپ کو جوائن کر کے براہ راست مدد حاصل کر سکتے ہیں۔ ویب سائٹ اور چینل پر وزٹ کریں اور اپنی تعلیمی کامیابی کی طرف قدم بڑھائیں!"



## "12th Class Likely Pairing Scheme for 2025 – For All Punjab Boards"

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### 12th Class Computer

#### Question No.1 Multiple Choice



| Chapter No | MCQs | Chapter No | MCQs  | Chapter No | MCQs |
|------------|------|------------|-------|------------|------|
| 1          | 1    | 6          | 1     | 11         | 1    |
| 2          | 1    | 7          | ..... | 12         | 2    |
| 3          | 1    | 8          | 2     | 13         | 1    |
| 4, 5       | 1, 1 | 9, 10      | 1, 1  | 14         | 1    |

#### Question No. 2, 3, 4 Short Questions

##### Question No.2 Attempt any 6/9

Chapter No

1, 2, 4, 5

##### Question No.3 Attempt any 6/9

Chapter No

8, 10, 14

##### Question No.4 Attempt any 6/9

Chapter No

11,12,13

| Chapter No | Short Q | Chapter No | Short Q      | Chapter No | Short Q      |
|------------|---------|------------|--------------|------------|--------------|
| 1          | 3       | 6, 7, 9    | .....        | 11         | 3 (2T,1E)    |
| 2          | 2       | 8          | 3 (Theory)   | 12         | 3 (1T,1E,10) |
| 3          | .....   | 9          | .....        | 13         | 3 (Theory)   |
| 4, 5       | 2, 2    | 10         | 4 (2T,1E,10) | 14         | 2 (Theory)   |

##### Question No

##### Chapter No

Questions No # 5

Chapter No # 3

Questions No # 6

Chapter No # 6 + Chapter No # 7

Questions No # 7

Chapter No # 9 (Theory)

Questions No # 8

Chapter No # 11 (Program)

Questions No # 9

Chapter No # 12 (Program)

➤ **Note: T for Theory, E for Error and OP for Output.**